

APPLICANT(S): Amitay et al.
SERIAL NO.: 10/675,155
FILED: September 30, 2003
Page 2

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and the listing of claims in the application.

Claims Listing:

1. (Previously Amended) An index to list physical items in a vicinity around a changeable current location of a user of said index.
2. (Previously Amended) An index according to claim 1 and wherein said user is in a space, said vicinity is within said space, and said space is one of the following: a store, a library, a shelf, an aisle, within a given radius, a street, a city, a campus, a building, an area and a park.
3. (Original) An index according to claim 1 which comprises information about said physical items, wherein said information comprises content found on tags associated with said physical items.
4. (Original) An index according to claim 3 and wherein said information comprises a description of said physical items and their locations.
5. (Previously Amended) A personal index generator comprising:
 - a personal index;
 - a personal index updater to update said personal index to include information about items within a changeable space in a vicinity of a person.
6. (Original) A generator according to claim 5 and also comprising a search engine to search for items within said personal index.
7. (Currently Amended) A generator according to claim 6 and also comprising a ranker for ranking ~~the~~an output of said search engine.
8. (Original) A generator according to claim 6 and wherein said space is one of the following spaces: a store, a library, a shelf, an aisle, within a given radius, a street, a city, a campus, a building, an area and a park.
9. (Original) A generator according to claim 8 and also comprising a space filter to provide said personal index updater only with information from items within said changeable space.

APPLICANT(S): Amitay et al.
SERIAL NO.: 10/675,155
FILED: September 30, 2003
Page 3

10. (Original) A generator according to claim 5 and also comprising a location sensor to sense the location of a person and to provide said location to a server.

11. (Original) A generator according to claim 10 and also comprising a receiver to receive information about items within said vicinity from said server.

12. (Original) A generator according to claim 10 and wherein said server comprises:
a space-wide index comprising information about items in a physical space larger than said vicinity of said person; and
a personal index builder to search said space-wide index for the items in the vicinity of said location and to provide said information about said items to said personal index updater.

13. (Original) A generator according to claim 12 and also comprising a space-wide index updater to update said space-wide index with information about items in said physical space.

14. (Original) A generator according to claim 13 and also comprising a space filter to provide said space-wide index updater only with information from items within said physical space.

15. (Original) A generator according to claim 14 and also comprising a search engine to search for items within said personal index.

16. (Currently Amended) A generator according to claim 15 and also comprising a ranker for ranking ~~the~~an output of said search engine.

17. (Original) A generator according to claim 15 and wherein said physical space is one of the following spaces: a store, a library, a street, a city, a campus, a building, an area and a park.

18. (Original) A personal index generator comprising:
a location sensor to sense the location of a person;

APPLICANT(S): Amitay et al.
SERIAL NO.: 10/675,155
FILED: September 30, 2003
Page 4

a space-wide index comprising information about items in a physical space larger than the vicinity of said person;

a search engine to search said space-wide index for the items in the vicinity of said location which are requested by said person.

19. (Original) A generator according to claim 18 and also comprising an index updater to update said space-wide index with information about items in said physical space.

20. (Original) A generator according to claim 18 and wherein said location sensor comprises a unit to read a tag worn by said person, said unit being one of the following: an optical reader, a video camera, an infra-red detector and an RF tag reader.

21. (Currently Amended) A generator according to claim 18 and also comprising a ranker for ranking ~~the~~ an output of said search engine.

22. (Original) A generator according to claim 18 and wherein said physical space is one of the following: a store, a library, a street, a city, a campus, a building, an area and a park.

23. (Original) A generator according to claim 18 and wherein said vicinity is a space smaller than said physical space.

24. (Original) A generator according to claim 18 and also comprising a logger to log at least the movement of items in said physical space and the searches performed by said search engine and a recommender to recommend items to said person based on the results of said logger.

25. (Previously Amended) A dynamic index to list physical items in a vicinity around a changeable current location of a user of said index.

26. (Previously Amended) An index according to claim 25 and wherein said user is in a space, said vicinity is within said space as said user, and said space is one of the following: a store, a library, a shelf, an aisle, within a given radius, a street, a city, a campus, a building, an area and a park.

APPLICANT(S): Amitay et al.
SERIAL NO.: 10/675,155
FILED: September 30, 2003
Page 5

27. (Original) An index according to claim 25 which comprises information about said physical items, wherein said information comprises content found on tags associated with said physical items.

28. (Original) An index according to claim 27 and wherein said information comprises a description of said physical items and their locations.

29. (Previously Amended) A method comprising:

dynamically storing in an index the physical items in a vicinity around a changeable current location of a user of said index.

30. (Previously Amended) A method according to claim 29 and wherein said user is in a space, said vicinity is within said space as said user and said space is one of the following: a store, a library, a shelf, an aisle, within a given radius, a street, a city, a campus, a building, an area and a park.

31. (Original) A method according to claim 29 and also comprising listing information about said physical items, wherein said information comprises content found on tags associated with said physical items.

32. (Original) A method according to claim 31 and wherein said information comprises a description of said physical items and their locations.

33. (Previously Amended) An index generator comprising:

a location-based index;

an index updater to update said location-based index to include information about items within a changeable space in a vicinity of said generator.

34. (Original) A generator according to claim 33 and also comprising a search engine to search for items within said location-based index.

35. (Currently Amended) A generator according to claim 34 and also comprising a ranker for ranking ~~the~~an output of said search engine.

APPLICANT(S): Amitay et al.
SERIAL NO.: 10/675,155
FILED: September 30, 2003
Page 6

36. (Original) A generator according to claim 34 and wherein said space is one of the following spaces: a store, a library, a shelf, an aisle, within a given radius, a street, a city, a campus, a building, an area and a park.

37. (Original) A generator according to claim 36 and also comprising a space filter to provide said location-based index updater only with information from items within said changeable space.

38. (Original) A generator according to claim 33 and also comprising a location sensor to sense the location of said generator and to provide said location to a server.

39. (Original) A generator according to claim 38 and also comprising a receiver to receive information about items within said vicinity from said server.

40. (Original) A generator according to claim 38 and wherein said server comprises:
a space-wide index comprising information about items in a physical space larger than said location of said generator; and
a location-based index builder to search said space-wide index for the items in the vicinity of said location and to provide said information about said items to said location-based index updater.

41. (Original) A generator according to claim 40 and also comprising a space-wide index updater to update said space-wide index with information about items in said physical space.

42. (Original) A generator according to claim 41 and also comprising a space filter to provide said space-wide index updater only with information from items within said physical space.

43. (Original) A generator according to claim 42 and also comprising a search engine to search for items within said location-based index.

44. (Currently Amended) A generator according to claim 43 and also comprising a ranker for ranking ~~the~~an output of said search engine.

APPLICANT(S): Amitay et al.
SERIAL NO.: 10/675,155
FILED: September 30, 2003
Page 7

45. (Original) A generator according to claim 43 and wherein said physical space is one of the following spaces: a store, a library, a street, a city, a campus, a building, an area and a park.

46. (Original) A location-based index generator comprising:

a location sensor to sense the location of said generator;

a space-wide index comprising information about items in a physical space larger than the vicinity of said generator;

a search engine to search said space-wide index for the items in the vicinity of said location which are requested by said generator.

47. (Original) A generator according to claim 46 and also comprising an index updater to update said space-wide index with information about items in said physical space.

48. (Original) A generator according to claim 46 and wherein said location sensor comprises a unit to read a tag worn by said generator, said unit being one of the following: an optical reader, a video camera, an infra-red detector and an RF tag reader.

49. (Currently Amended) A generator according to claim 46 and also comprising a ranker for ranking ~~the~~ an output of said search engine.

50. (Original) A generator according to claim 46 and wherein said physical space is one of the following: a store, a library, a street, a city, a campus, a building, an area and a park.

51. A generator according to claim 46 and wherein said vicinity is a space smaller than said physical space.

52. (Original) A generator according to claim 46 and also comprising a logger to log at least the movement of items in said physical space and the searches performed by said search engine and a recommender to recommend items to said generator based on the results of said logger.

53 – 56. (Cancelled)

57. (Previously Amended) A method comprising:

APPLICANT(S): Amitay et al.
SERIAL NO.: 10/675,155
FILED: September 30, 2003
Page 8

dynamically storing in an index the physical items in a changing vicinity of a generator of said index.

58. (Previously Amended) A method according to claim 57 and wherein said user is in a space, said vicinity is within said space as said generator and said space is one of the following: a store, a library, a shelf, an aisle, within a given radius, a street, a city, a campus, a building, an area and a park.

59. (Original) A method according to claim 57 and also comprising listing information about said physical items, wherein said information comprises content found on tags associated with said physical items.

60. (Original) A method according to claim 59 and wherein said information comprises a description of said physical items and their locations.